



1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/857,815A

DATE: 12/11/2002

TIME: 14:19:09

Input Set : A:\SEQ01044rev2.txt

Output Set: N:\CRF4\12112002\I857815A.raw

3 <110> APPLICANT: Takeda Chemical Industries, Ltd.
 5 <120> TITLE OF INVENTION: Betacellulin Mutein
 7 <130> FILE REFERENCE: P2001-232
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/857,815A
 C--> 9 <141> CURRENT FILING DATE: 2001-06-08
 9 <150> PRIOR APPLICATION NUMBER: JP 10-350377
 10 <151> PRIOR FILING DATE: 1998-12-09
 12 <150> PRIOR APPLICATION NUMBER: JP 11-55326
 13 <151> PRIOR FILING DATE: 1999-03-03
 15 <160> NUMBER OF SEQ ID NOS: 56
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 77
 19 <212> TYPE: PRT
 20 <213> ORGANISM: Human
 22 <400> SEQUENCE: 1
 23 Asp Gly Asn Ser Thr Arg Ser Pro Glu Thr Asn Gly Leu Leu Cys Gly
 24 1 5 10 15
 25 Asp Pro Glu Glu Asn Cys Ala Ala Thr Thr Gln Ser Lys Arg Lys
 26 20 25 30
 27 Gly His Phe Ser Arg Cys Pro Lys Gln Tyr Lys His Tyr Cys Ile Lys
 28 35 40 45
 29 Gly Arg Cys Arg Phe Val Val Ala Glu Gln Thr Pro Ser Cys Val Cys
 30 50 55 60
 31 Asp Glu Gly Tyr Ile Gly Ala Arg Cys Glu Arg Val Asp
 32 65 70 75
 34 <210> SEQ ID NO: 2
 35 <211> LENGTH: 76
 36 <212> TYPE: PRT
 37 <213> ORGANISM: Human
 39 <400> SEQUENCE: 2
 40 Asp Gly Asn Ser Thr Arg Ser Pro Glu Thr Asn Gly Leu Leu Cys Gly
 41 1 5 10 15
 42 Asp Pro Glu Glu Asn Cys Ala Ala Thr Thr Thr Gln Ser Lys Arg Lys
 43 20 25 30
 44 Gly His Phe Ser Arg Cys Pro Lys Gln Tyr Lys His Tyr Cys Ile Lys
 45 35 40 45
 46 Gly Arg Cys Arg Phe Val Val Ala Glu Gln Thr Pro Ser Cys Val Cys
 47 50 55 60
 48 Asp Glu Gly Tyr Ile Gly Ala Arg Cys Glu Arg Val
 49 65 70 75
 51 <210> SEQ ID NO: 3
 52 <211> LENGTH: 47
 53 <212> TYPE: PRT

Does Not Comply
 Corrected Diskette Needed
 see p. 2

insert this mandatory numeric identifier
and response

<210> 37
<211> 75
<213> Human

><2127 PRT

invalid

<400> 37

Gly Asn Ser Thr Arg Ser Pto Glu Thr Asn Gly Leu Leu Cys Gly Asp
1 5 10 15
Pro Glu Glu Asn Cys Ala Ala Thr Thr Gln Ser Lys Arg Lys Gly
20 25 30
His Phe Ser Arg Cys Pro Lys Gln Tyr Lys His Tyr Cys Ile Lys Gly
35 40 45
Arg Cys Arg Phe Val Val Ala Glu Gln Thr Pro Ser Cys Val Cys Asp
50 55 60
Glu Gly Tyr Ile Gly Ala Arg Cys Glu Arg Val
65 70 75

<210> 38

<211> 53

<213> Human

><2127 PRT

same error

<400> 38

Ala Thr Thr Thr Gln Ser Lys Arg Lys Gly His Phe Ser Arg Cys Pro
1 5 10 15
Lys Gln Tyr Lys His Tyr Cys Ile Lys Gly Arg Cys Arg Phe Val Val
20 25 30
Ala Glu Gln Thr Pro Ser Cys Val Cys Asp Glu Gly Tyr Ile Gly Ala
35 40 45
Arg Cys Glu Arg Val
50 53